

CLAIMS

[Claim 1]

A light-emitting diode array comprising a plurality of platform-shaped light-emitting units formed so as to be isolated from each other by etching on a surface of a substrate of layered PN layers; wherein

in each of said plurality of platform-shaped light-emitting units formed so as to be isolated from each other, corners of the light-emitting units having a substantially square shape as viewed from above are provided with a beveled shape.

[Claim 2]

The light-emitting diode array according to claim 1, wherein the beveled shape of said corners is an angle-beveled shape or a round-beveled shape.

[Claim 3]

The light-emitting diode array according to claim 1 or 2, wherein an electrode layer or light-blocking film provided to each of said light-emitting units surrounds three sides, as viewed from above, of a light emitting window of each of said plurality of light-emitting units, and covers portions of a reverse mesa surface near said corners over an area that extends to a base.

[Claim 4]

A light-emitting diode comprising a light-emitting unit having four peripheral side surfaces, wherein

a pair of opposing surfaces from among said four peripheral side surfaces have surfaces that tilt outward from top to bottom;

a pair of opposing side surfaces adjacent to said pair of opposing side surfaces from among said four peripheral side surfaces have surfaces that tilt inward from top to bottom;

each of four corners of said four peripheral side surfaces is beveled; and

an electrode is formed on each surface tilted outward from top to bottom of said pair of opposing side surfaces, and an electrode is also formed in wraparound fashion near corners of each surface tilted inward from top to bottom of the pair of opposing side surfaces adjacent to said pair of opposing side surfaces, so as to connect to the

electrode provided to each surface tilted outward from top to bottom of said pair of opposing side surfaces.

[Claim 5]

A printer head characterized in comprising as a light source the light-emitting diode array or light-emitting diode according to any of claims 1 through 4.